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File 344:Chinese Patents Abs JuL 1985-2002/JuL
         (c) 2002 European Patent Office
File 347:JAPIO Oct 1976-2002/Mar(Updated 020702)
         (c) 2002 JPO & JAPIO
File 350:Derwent WPIX 1963-2002/UD,UM &UP=200248
         (c) 2002  Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2002/Jul W03
         (c) 2002 European Patent Office
File 349:PCT FULLTEXT 1983-2002/UB=20020725,UT=20020718
         (c) 2002 WIPO/Univentio
File 256:SoftBase:Reviews,Companies&Prods. 82-2002/Jul
         (c)2002 Info.Sources Inc
File   9:Business & Industry(R) Jul/1994-2002/Jul 29
         (c) 2002 Resp. DB Svcs.
File  15:ABI/Inform(R) 1971-2002/Jul 26
         (c) 2002 ProQuest Info&Learning
File  20:Dialog Global Reporter 1997-2002/Jul 30
         (c) 2002 The Dialog Corp.
File  95:TEME-Technology & Management 1989-2002/Jul W4
         (c) 2002 FIZ TECHNIK
File 476:Financial Times Fulltext 1982-2002/Jul 30
         (c) 2002 Financial Times Ltd
File 610:Business Wire 1999-2002/Jul 30
         (c) 2002 Business Wire.
File 613:PR Newswire 1999-2002/Jul 30
         (c) 2002 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2002/Jul 29
         (c) 2002 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2002/Jul 28
         (c) 2002 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File   2:INSPEC 1969-2002/Jul W4
         (c) 2002 Institution of Electrical Engineers
File  35:Dissertation Abs Online 1861-2002/Jun
         (c) 2002 ProQuest Info&Learning
File  65:Inside Conferences 1993-2002/Jul W4
         (c) 2002 BLDSC all rts. reserv.
File  77:Conference Papers Index 1973-2002/Jul
         (c) 2002 Cambridge Sci Abs
File  99:Wilson Appl. Sci & Tech Abs 1983-2002/Jun
         (c) 2002 The HW Wilson Co.
File 233:Internet & Personal Comp. Abs. 1981-2002/Aug
         (c) 2002 Info. Today Inc.
File 583:Gale Group Globalbase(TM) 1986-2002/Jul 30
         (c) 2002 The Gale Group
File 474:New York Times Abs 1969-2002/Jul 29
         (c) 2002 The New York Times
File 475:Wall Street Journal Abs 1973-2002/Jul 29
         (c) 2002 The New York Times
File  16:Gale Group PROMT(R) 1990-2002/Jul 30
         (c) 2002 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2002/Jul 30
         (c)2002 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2002/Jul 30
         (c) 2002 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2002/Jul 30
         (c) 2002 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2002/Jul 30
         (c) 2002 The Gale Group
?ds

Set     Items   Description
```

S1 13 (WORKLOAD? OR WORK()LOAD? OR WFMS)(S)(PROCESS()MODEL?)(S)(-
EXECUTE? OR LAUNCH? OR SEQUENCE? OR PRIORITI?) NOT PY>2000

1/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013485181 **Image available**
WPI Acc No: 2000-657124/200064
XRPX Acc No: N00-487145
Computer-aided method for automatically transforming a process model in a management system's operating cycle defines triggers to be executed within a trigger system.
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: LEYMANN F; ROLLER D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 10003015	A1	20000817	DE 1003015	A	20000125	200064	B

Priority Applications (No Type Date): EP 99102337 A 19990206
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10003015	A1		12	G06F-017/60	

Abstract (Basic):
... This method automatically translates process models for a workflow management system (**WFMS**) into trigger definitions that automatically **execute** business processes modelled by **process models** .

1/3,K/2 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00989404
Deriving process models for workflow management systems from audit trails
Ableitung von Prozessmodellen aus Rechnungsprufvorgangen fur Systeme zur Verwaltung von Arbeitsflussen
Deduction de modeles de processus a partir d'audits comptables pour des systemes de gestion de flux de travail
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Applicant designated States: all)
INVENTOR:
Agrawal, Rakesh, 1290 Quail Creek Circle, San Jose, CA 95120, (US)
Leymann, Frank, Dr., Hasenackerweg 19, 71134 Aidlingen 3, (DE)
Roller, Dieter, Hermann-Lons-Weg 5, 71101 Schonaich, (DE)
LEGAL REPRESENTATIVE:
Teufel, Fritz, Dipl.-Phys. (11855), IBM Deutschland Informationssysteme GmbH, Patentwesen und Urheberrecht, 70548 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 895169 A2 990203 (Basic)
EP 895169 A3 000614
APPLICATION (CC, No, Date): EP 98111410 980622;
PRIORITY (CC, No, Date): EP 97113299 970801
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/60
ABSTRACT WORD COUNT: 177
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9905	344
SPEC A	(English)	9905	7279
Total word count - document A			7623
Total word count - document B			0

Total word count - documents A + B 7623

...ABSTRACT particularly the invention is related to a methodology of automatically deriving and steadily improving a **process model executed** by the **WFMS** .
Current methodologies of defining process models are a priori in nature, i.e. it is...

...SPECIFICATION Additional advantages of the invention are accomplished by claim 4.
According this teaching said current **process model** and said next **process model** are managed and **executed** by a Workflow-Management-System (**WFMS**).
According this teaching the complete capabilities of the current teaching is made available to WFMS...

...work as an interpreter basically getting as input such a model: The model, called a **process model** or workflow model, can then be instantiated and the individual **sequence** of work steps depending on the context of the instantiation of the model can be...business processes based on an associated model (run time). The meta model of IBM's **WFMS** FlowMark, i.e. the syntactical elements provided for describing business **process models** , and the meaning and interpretation of these syntactical elements, is described next.
A process model...in this audit trail. In addition, these events are associated with the instance of the **process model** they are supporting. Consequently, the **sequence** of execution of the activities of a **process model** are available in the audit log of a **WFMS** on a per instance base. Data mining technology can thus be used to determine patterns of execution **sequences** of activities of business processes from audit trails.
From a global perspective the current invention...

...model of a business process. The methodology is based on an approach in which the **WFMS** automatically is tracking the execution behavior of the various activities as **executed** by the users. Based on this tracked audit trail records the **WFMS** automatically derives an improved version of the **process model** . This improved **process model** is then used within the next sampling period to derive once more an improved **process model** . The suggested approach will then be iterated over and over again to steadily improve and finally discover the actual **process model** .
Thus the current invention teaches the following aspects:
A methodology using a current process model...

...assumes that all activities of the process model to be derived are defined to the **WFMS** . For this purpose all programs available to support the various activities must be catalogued in the **WFMS** , and all personnel data relevant for the business process must be defined. Basically, an activity...

...program specifies the executable supporting the performance of the activity on a computer. When the **WFMS** detects that a given activity must be performed it **executes** the associated query and all people qualifying under that query will get a corresponding notification...

...Figure 1 is reflecting one iteration step of the current invention starting with the initial **process model** to derive a first and improved next **process model** . The initial **process model** 100 encompasses activities A1 to A5 at this point in time not prescribing any **sequence** for their execution. The **WFMS** 101 is recording the execution pattern by writing audit trail records to the audit trail 103.

4.3.2 Adapting the Current **Process Model**
Thus, when a **process model** is instantiated all affected users will get all workitems corresponding to all encompassed activities. Due...

...knowledge of the underlying business process the users will perform the workitems in the appropriate **sequence** . This **sequence** is recorded

automatically during execution and is reflected in the **WFMS** 's audit trail.

After an appropriate sampling period of time the audit trail will containB, C, D. Then the first iteration of the corresponding **process model** is P=(A,B,C,D). The ()-notation indicates a set of activities without any precedence relation within the set of activities; activities belonging to the same ()-set may be **executed** in parallel. Setting P into production may result in the audit trail of Figure 2 generated by the **WFMS** . For simplicity reasons it is further assumed that only one **process model** (the **process model** P) is **executed** . Thus the 'Process Name' column indicates the execution of this **process model** P. The column 'Process Instance' reflects an indication of the **process model** instance within which the activity identified by the entry in the 'Activity' column is **executed** . Finally the column 'Execution Interval' contains the execution interval comprising the starting time and termination...

...CLAIMS at least once as being processed in parallel.

4. A computerized method automatically adapting a **process - model** according to any of above claims wherein said current- **process - model** and said next- **process - model** are managed and **executed** by a Workflow-Management-System (**WFMS**).
5. A computerized method automatically adapting a **process - model** according to claim 4 wherein said pattern-collection-step is **executed** by said **WFMS** .
6. A computerized method automatically adapting a process-model according to claim 2, 3, 4...

1/3,K/3 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

00910163

Implementing a workflow engine in a database management system

Implementierung eines Arbeitsflussmotors in einem Datenbankverwaltungssystem

Mise en oeuvre d'un moteur de flux de travail dans un systeme de gestion de base de donnees

PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Applicant designated States: all)
INVENTOR:
Leymann, Frank, Dr., Hasenackerweg 19, 71134 Aidlingen 2, (DE)
Roller, Dieter, Hermann-Lons-Weg 5, 71101 Schonaich, (DE)
LEGAL REPRESENTATIVE:
Teufel, Fritz, Dipl.-Phys. (11855), IBM Deutschland Informationssysteme GmbH, Patentwesen und Urheberrecht, 70548 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 831406 A2 980325 (Basic)
EP 831406 A3 000223
APPLICATION (CC, No, Date): EP 97111729 970710;
PRIORITY (CC, No, Date): EP 96114506 960911
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/30; G06F-017/60
ABSTRACT WORD COUNT: 230
NOTE:
Figure number on first page: 11

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9813	312
SPEC A	(English)	9813	5693
Total word count - document A			6005
Total word count - document B			0
Total word count - documents A + B			6005

...ABSTRACT A2

The present invention relates to the area of workflow management systems (**WFMS**). **WFMS** **execute** a multitude of **process** **models** consisting of a network of potentially distributed activities. **WFMS** store **WFMS** state information on the **process** **models** , the **process** **model** instances currently **executed** by the **WFMS** together with the instances's state and the state of the **WFMS** themselves in Database Management Systems (DBMS). The **WFMS** and the DBMS may be different computer systems connected by a computer network.

The invention...

...SPECIFICATION the Invention

The objective of the invention is solved by claim 1.

Most WFMS keep **process** **model** information and the state information for the process instances together with detailed status information on the execution status of the process by the **WFMS** in a relational database management system (RDBMS), or some other type of database management system (DBMS). Thus the RDBMS store **WFMS** state information of the **WFMS** itself and of the **process** **model** instance currently **executed** by the **WFMS** . The **WFMS** control functions, such as navigating through the process graph, performing staff resolution, invoking programs and many more access the **WFMS** state information in the database, make the appropriate computations, and store new state information in...

...According to the current invention and in contrary to the current state of the art **WFMS** control functions are no longer implemented within the **WFMS** system itself. The current invention teaches to implement the **WFMS** engines, encompassing a set of control functions, directly within the DBMS. Only stubs corresponding to these control functions are still implemented within the **WFMS** . The main purpose of these stubs is to request the services of the **WFMS** control function cores within the DBMS.

The technique proposed by the current invention increases performance ...work as an interpreter basically getting as input such a model: The model, called a **process** **model** , can then be instantiated and the individual **sequence** of work steps depending on the context of the instantiation of the model can be...

...business processes based on an associated model (run time). The meta model of IBM's **WFMS** FlowMark, i.e. the syntactical elements provided for describing business **process** **models** , and the meaning and interpretation of these syntactical elements, is described next.

Activities are the...and the command string passed to the program.

Before process instances can be created, the **process** **model** must be translated to ensure the correctness and completeness of the **process** **model** . The translated version of the model is used as a template when a process instance is created. This allows to make changes to the **process** **model** without affecting executing process instances. A process instance is started either via the graphical interface...

...work list of the selected people. If a user selects the activity, the activity is **executed** and removed from the work list of any other user to whom the activity has been posted. After an activity has **executed** , its exit condition is evaluated. If not met, the activity is rescheduled for execution, otherwise...

...the server. This allows for forward recovery in the case of crashes.

4.2 The **WFMS** Engine and Control Functions

Most workflow management systems (WFMS) keep **process** **model** information and the state information for the process instances together with detailed status information on the execution status of the process by the **WFMS** in a relational database management system (RDBMS), or some other type of database management system (DBMS). Thus the RDBMS store **WFMS** state information of the **WFMS** itself and of the **process** **model** instance currently **executed** by the **WFMS** . The **WFMS** control functions, such as navigating through the process graph, performing staff resolution, invoking programs and many more access the **WFMS** state

information in the database, make the appropriate computations, and store new state information in...

...via the appropriate SQL DBMS calls. According to the current state of the art the **WFMS** control functions are implemented within the **WFMS** system itself. As a certain control function will access the RDBMS repeatedly a lot of repetitive **WFMS** to RDBMS interactions will occur. Through a certain **WFMS** implementation concept the current invention reduces a significant amount of these **WFMS** to RDBMS interactions thus improving the **WFMS** system performance significantly.
The collection of above mentioned control functions build the heart of a...

1/3,K/4 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00910153
Ensuring atomicity for a collection of transactional workitems in a workflow-management-system
Absicherung der Unteilbarkeit fur eine Ansammlung von transaktionellen Arbeitsschritten in einem Arbeitsflussverwaltungssystem
Assurer l'indivisibilite d'une collection de pas de travail dans un systeme de gestion de flux de travail
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;GB)
INVENTOR:
Leymann, Frank, Dr., Hasenackerweg 19, 71134 Aidlingen 3, (DE)
Roller, Dieter, Hermann-Lons-Weg 5, 71101 Schonaich, (DE)
LEGAL REPRESENTATIVE:
Duscher, Reinhard, Dr. (94081), IBM Deutschland GmbH, Intellectual Property, Pascalstrasse 100, 70548 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 831398 A1 980325 (Basic)
APPLICATION (CC, No, Date): EP 97110892 970702;
PRIORITY (CC, No, Date): EP 96112430 960801
DESIGNATED STATES: DE; GB
INTERNATIONAL PATENT CLASS: G06F-009/46
ABSTRACT WORD COUNT: 156

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9813	713
SPEC A	(English)	9813	9794
Total word count - document A			10507
Total word count - document B			0
Total word count - documents A + B			10507

...ABSTRACT present invention relates to the area of computerized transaction execution with a workflow management systems (**WFMS**). The **WFMS** **executes** a **process** **model** consisting of a network of potentially distributed activities including transactional workitems. The invention teaches a...

...SPECIFICATION system.
A WFMS is an ideal candidate for executing the suggested method as the whole **process** **model** information is available to this control instance. One could go even a step further and extend existing TP systems to **executed** the methodology. It is also possible to merge **WFMS** and TP systems to a new type of TP system also defining atomic spheres.
The...work as an interpreter basically getting as input such a model: The model, called a **process** **model** , can then be instantiated and the individual **sequence** of work steps depending on the context of the instantiation of the model can be...

...business processes based on an associated model (run time). The meta

model of IBM's **WFMS** FlowMark, i.e. the syntactical elements provided for describing business **process models** , and the meaning and interpretation

1/3,K/5 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01810992 04-61983
TelCoW: Telework under the co-ordination of a workflow management system
Dangelmaier, Wilhelm; Kress, Stephan; Wenski, Rudiger
Information & Software Technology v41n6 PP: 341-353 Apr 25, 1999
ISSN: 0950-5849 JRNL CODE: DTP

ABSTRACT: A specific business **process model** is defined which is oriented for the modeling of decentralized structures especially for telework and the direct support by a workflow management system (**WFMS**). Compared to traditional WFMSs, the system is extended by a module for the planning and...

... of work is supported by means of a coordinator as a constituent part of the **WFMS** . It **executes** workflows which are provided by a certain method for modeling business processes to workflows. The...

1/3,K/6 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01506896 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Computer Associates Honors Interfacing Technologies Corporation With Unicenter TNG Software Achievement Award
BUSINESS WIRE
April 29, 1998 15:49
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 456

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... enable users to measure the impact of IT on individual business tasks, allowing them to **prioritize** and resolve critical management issues to ensure greater customer satisfaction. "Interfacing Technologies Corporation is honored...

... integrated management solution covering network discovery, topology, performance, events and status, security, software distribution, storage, **workload** , help desk, change management and other functions for traditional and distributed computing environments, as well...

1/3,K/7 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

01307591 I99051430300
TelCoW: telework under the co-ordination of a workflow management system
Dangelmaier, W; Kress, S; Wenski, R
Heinz Nixford Inst., Paderborn Univ., D
Information and Software Technology, v41, n6, pp341-353, 1999
Document type: journal article Language: English
Record type: Abstract
ISSN: 0950-5849

ABSTRACT:
...that work in companies is normally co-operative work. For this co-operative work, business **process modeling** and workflow management is accepted as a supporting methodology. On the one hand this is...

...the support of co-operative telework is currently not possible. We define a specific business **process model** which is oriented for the modeling of decentralized structures especially for telework and the direct support by a workflow management system (**WFMS**). Compared to traditional WFMSs, our system is extended by a module for the planning and...

...work is supported by means of a co-ordinator as a constituent part of the **WFMS** . It **executes** workflows which are provided by a certain method for modeling business processes. This method already...

1/3,K/8 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

6359174 INSPEC Abstract Number: C1999-10-7104-018
Title: Conceptual workflow schemas
Author(s): Meyer-Wegener, K.; Bohm, M.
Author Affiliation: Fakultat Inf. Inst. BDR, Tech. Univ. Dresden, Germany
Conference Title: Proceedings Fourth IFCIS International Conference on Cooperative Information Systems. CoopIS 99 (Cat. No.PR00384) p.234-42
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
Publication Date: 1999 Country of Publication: USA xii+361 pp.
ISBN: 0 7695 0384 5 Material Identity Number: XX-1999-02439
U.S. Copyright Clearance Center Code: 0 7695 0384 5/99/$10.00
Conference Title: Proceedings Fourth IFCIS International Conference on Cooperative Information Systems. CoopIS 99
Conference Sponsor: Int. Found. Cooperative Inf. Syst
Conference Date: 2-4 Sept. 1999 Conference Location: Edinburgh, UK
Language: English
Subfile: C

...Abstract: design of workflow schemas is to a large extent a manual process. Starting with business- **process models** , developers must make many decisions that are not supported by tools, to finally deliver a workflow schema that can be **executed** by a particular workflow management system (**WFMS**). This paper presents an approach that uses intermediate descriptions to make design decisions explicit, to organize these decisions in a substantiated **sequence** , and to provide a definition of workflow schemas that is independent of a particular **WFMS** . Move specifically, a task-type structure is introduced to capture the so-called functional perspective...

...that it takes into account the specific model elements and functionality provided by a particular **WFMS** . This configuration is finally used to automatically generate a workflow schema skeleton in the individual language of thus **WFMS** .

1/3,K/9 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

6254167 INSPEC Abstract Number: C1999-07-7104-001
Title: TelCoW: telework under the co-ordination of a workflow management system
Author(s): Dangelmaier, W.; Kress, S.; Wenski, R.
Author Affiliation: Heinz Nixford Inst., Paderborn Univ., Germany
Journal: Information and Software Technology vol.41, no.6 p.341-53
Publisher: Elsevier,
Publication Date: 25 April 1999 Country of Publication: Netherlands
CODEN: ISOTE7 ISSN: 0950-5849
SICI: 0950-5849(19990425)41:6L.341:TTUO;1-#
Material Identity Number: F335-1999-009
U.S. Copyright Clearance Center Code: 0950-5849/99/$20.00
Language: English

Subfile: C
Copyright 1999, IEE

...Abstract: that work in companies is normally co-operative work. For this co-operative work, business **process modeling** and workflow management is accepted as a supporting methodology. On the one hand this is ...
... the support of co-operative telework is currently not possible. We define a specific business **process model** which is oriented for the modeling of decentralized structures especially for telework and the direct support by a workflow management system (**WFMS**). Compared to traditional WFMSs, our system is extended by a module for the planning and...

... work is supported by means of a co-ordinator as a constituent part of the **WFMS** . It **executes** workflows which are provided by a certain method for modeling business processes. This method already...

1/3,K/10 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2002 Institution of Electrical Engineers. All rts. reserv.

5938284 INSPEC Abstract Number: C9807-0310F-017
Title: A new software project simulator based on generalized stochastic Petri-net
Author(s): Kusumoto, S.; Mizuno, O.; Kikuno, T.; Hirayama, Y.; Takagi, Y. ; Sakamoto, K.
Author Affiliation: Graduate Sch. of Eng. Sci., Osaka Univ., Japan
Conference Title: Proceedings of the 1997 International Conference on Software Engineering, ICSE 97 p.293-302
Publisher: ACM, New York, NY, USA
Publication Date: 1997 Country of Publication: USA xviii+713 pp.
ISBN: 0 89791 914 9 Material Identity Number: XX97-01000
U.S. Copyright Clearance Center Code: 0 89791 914 9/97/05..$3.50
Conference Title: Proceedings of International Conference on Software Engineering. ICSE 97
Conference Sponsor: ACM; IEEE
Conference Date: 17-23 May 1997 Conference Location: Boston, MA, USA
Language: English
Subfile: C
Copyright 1998, IEE

...Abstract: quality, cost and delivery date. The new model consists of a project model and a **process model** . The project model focuses on three key components: activity, product and development of the project. The **process model** includes a set of activity models, each of which specifies design, coding, review, test, and...

... model can take the influence of human factors into account by introducing the concept of " **workload** ". Next, they develop a simulator which supports description of the target process, **executes** the process described by the activity model and analyses the simulation results statistically. Then, they...

1/3,K/11 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2002 Institution of Electrical Engineers. All rts. reserv.

04330973 INSPEC Abstract Number: C9303-7185-001
Title: AFGAR: an object-oriented tool for producing duty rotas for railway staff
Author(s): Sellami, B.; Trigano, P.; Carlier, J.; Jean, B.; Bret, J.F.
Author Affiliation: Univ. de Technol. de Compiegne, France
Conference Title: Twelfth International Conference. Artificial Intelligence, Expert Systems, Natural Language p.519-33 vol.2
Publisher: EC2, Nanterre, France
Publication Date: 1992 Country of Publication: France 4 vol.

(711+794+304+318) pp.
ISBN: 2 906899 72 0
Conference Date: 1-6 June 1992 Conference Location: Avignon, France
Language: French
Subfile: C

...Abstract: which cannot be efficiently covered by a standard algorithm. In practical terms, starting from the **workload** expressed in so many turns of duty, the aim is to identify the optimum **sequences** of such turns, in compliance with time-based, regulatory and human constraints. After a first ...
...management and algorithmics. The methodological principle applied was to make a clear separation between a **process model** with its functioning logic and a solving strategy model with its reasoning logic. Since two...

1/3,K/12 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

01046369 INSPEC Abstract Number: C77013107
Title: Statistical analysis of non-stationary series of events in a data base system
Author(s): Lewis, P.A.W.; Shedler, G.S.
Author Affiliation: Naval Postgraduate School, Monterey, CA, USA
Journal: IBM Journal of Research and Development vol.20, no.5 p. 465-82
Publication Date: Sept. 1976 Country of Publication: USA
CODEN: IBMJAE ISSN: 0018-8646
Language: English
Subfile: C

...Abstract: performance evaluation of computer systems are the description of their behavior and characterization of the **workload** . One approach to these problems comprises the interactive combination of data-analytic procedures with probability...

... both old and new, for the statistical analysis of non-stationary univariate stochastic processes and **sequences** of positive random variables. As an illustration of the methodology analysis is given of the ...
... running data base system. On the basis of the statistical analysis, a non-homogeneous Poisson **process model** for the transaction initiation process is postulated for periods of high activity and found to...

1/3,K/13 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1841527 H.W. WILSON RECORD NUMBER: BAST99026062
TelCoW: telework under the co-ordination of a workflow management system
Dangelmaier, Wilhelm; Kress, Stephan; Wenski, Rudiger
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...ABSTRACT: that work in companies is normally co-operative work. For this co-operative work, business **process modeling** and workflow management is accepted as a supporting methodology. On the one hand this is...

...and planning functionality for this purpose. In this paper, we will define a specific business **process model** which is oriented for the modeling of decentralized structures especially for telework and the direct support by a workflow management system (**WFMS**). Compared to traditional WFMSs, our system is extended by a module for the planning and...

...work is supported by means of a co-ordinator as a constituent part of

the **WFMS** . It **executes** workflows which are provided by a certain method for modeling business processes. This method already...
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